

ALABAMA

Science and Engineering Profile

	Alabama	U.S.	Rank		Alabama	U.S.	Rank
Doctoral scientists, 1993	4,402	430,332	28	Total R&D performance, 1993 (millions)	\$1,967	\$161,427	21
Doctoral engineers, 1993	1,228	81,293	20	Industry R&D, 1993 (millions)	\$833	\$117,622	25
S&E doctorates awarded, 1993	244	25,409	28	Academic R&D, 1993 (millions)	\$281	\$19,489	24
of which, in life sciences	34%	24%		of which, in life sciences	66%	55%	
in engineering	28%	22%		in engineering	17%	16%	
in physical sciences	12%	15%		in physical sciences	9%	11%	
S&E postdoctorates, 1993				Higher education current-fund			
in doctorate-granting institutions	364	34,394	25	expenditures, 1993 (millions)	\$2,715	\$163,994	21
S&E graduate students, 1993				Number of SBIR awards, 1990-93	205	13,995	18
in doctorate-granting institutions	6,442	438,128	22	Patents issued to state residents, 1994	259	56,039	35
Population, 1994 (000s)	4,219	260,341	22	Gross state product, 1992 (billions)	\$78.1	\$5,994.1	24
Civilian labor force, 1994 (000s)	2,031	131,013	21	of which, agriculture	2%	2%	
Personal income per capita, 1994	\$18,010	\$21,809	41	manufacturing, mining, construction	27%	23%	
Federal spending				transportation, communication, utilities	10%	9%	
Total expenditures 1994 (millions)	\$22,280	\$1,284,896	18	wholesale and retail trade	15%	16%	
R&D obligations 1993 (millions)	\$2,149	\$65,394	12	finance, insurance, real estate	14%	18%	
				services	16%	20%	
				government	16%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Federal Obligations for Research and Development in Alabama by Agency and Performer: Fiscal Year 1993

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	2,149,352	833,137	0	1,134,370	157,510	20,187	4,148	12
Department of Agriculture	15,168	4,094	0	0	10,979	15	80	32
Department of Commerce	1,316	923	0	0	393	0	0	32
Department of Defense	1,013,005	499,916	0	499,576	11,686	538	1,289	11
Department of Energy	25,514	0	0	20,452	2,675	2,387	0	22
Dept. of Health & Human Services	110,386	0	0	613	95,466	13,916	391	22
Department of the Interior	10,914	9,459	0	315	1,105	0	35	20
Department of Transportation	1,203	1	0	0	0	0	1,202	36
Environmental Protection Agency	6,026	0	0	2,689	2,186	0	1,151	15
Nat'l Aeronautics & Space Admin.	956,160	318,744	0	610,685	23,400	3,331	0	2
National Science Foundation	9,660	0	0	40	9,620	0	0	34
State rank	12	5	na	9	23	20	18	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.